



MIB Thermal Camera

Fast bolometer for temperature measurement

Target temp measurement

Range	0 to + 200°C
Accuracy at FS	See accuracy table
Response time	20 ms
Sampling frequency	100 Hz
Resolution	0.1°C
Sensitive element	Micro-bolometer matrix
Wave length	8 to 14 µm
Calibrator	Fluke 4181 ECN 100 N12
Horizontal field of view	66, 83 & 113.4°
Vertical field of view	4.23, 5.80 & 9.90°
Lens protection	PEHD

Internal temp measurement

Range	± 0.3°C
Resolution	0.1°C

Common

CAN type	2.0 A or B
Output data	Calibrated temp & ambient temp: 12 bits per chan (signed int)
Parameters	CAN type / Baud rate / Frequency / Identifiers / Gain factor
Baud rate	500 kbs or 1Mbps
Frequency	1 Hz to 100 Hz, request mode
Supply voltage	6 to 30 V
Supply current	45 mA
Dimensions	40x30.5x18.5 mm
Material	Aluminium
Weight (with 1m cable)	35 g
Protection	IP64
Vibration test	20 Gpp5'
Shock	500 G
Operating temp	-20 to +85°C
Storage temp	-40 to +125°C

Accuracy table % FS			
Target temperature	Sensor ambient temperature		
	25°C	60°C	80°C
≤20°	2	2	
30°	1	2	2
80°	1	1	1
100°	1	1	1
200°	1	1	1

Cable specification:

- Cable: 6x26AWG FEP tinned copper braided cable 250V 200°C
- Length: 1000 mm ±10%
- Connector: N/A

Color	Function	Pin
Red	Supply	
Black	0V	
Green	CAN High	
White	CAN Low	
Blue	Tx	
Yellow	Rx	
Braid		

